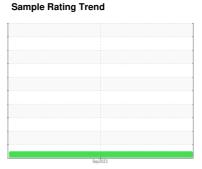


OIL ANALYSIS REPORT



NORMAL



Machine Id 160-601

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- 0

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

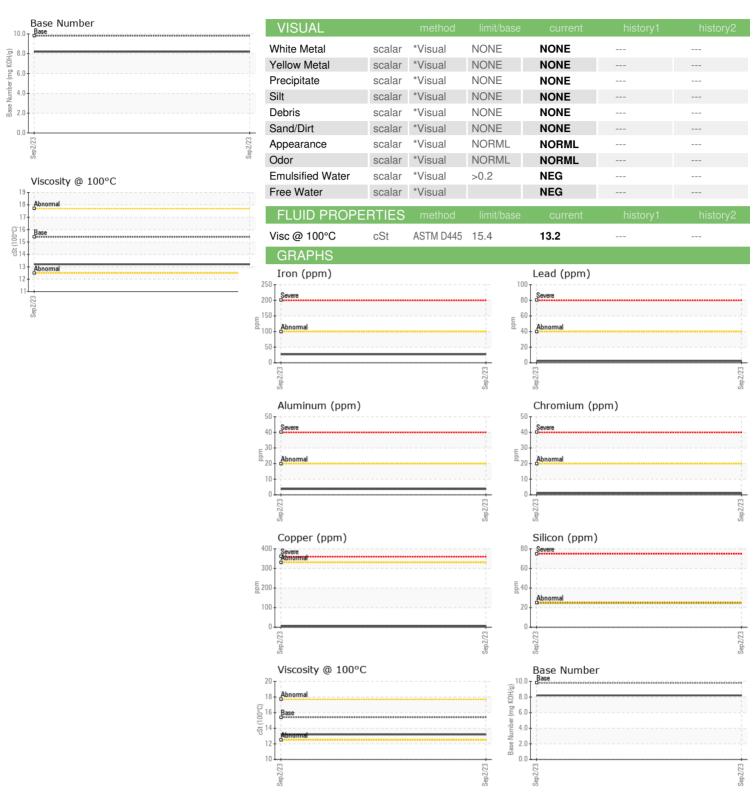
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AL)				Sep2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0089571		
Sample Date		Client Info		02 Sep 2023		
Machine Age	mls	Client Info		20265		
Dil Age	mls	Client Info		10000		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	27		
Chromium	ppm	ASTM D5185m	>20	1		
lickel	ppm	ASTM D5185m	>4	- <1		
itanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	4		
.ead	ppm	ASTM D5185m	>40	2		
Copper	ppm	ASTM D5185m	>330	6		
in	ppm	ASTM D5185m	>15	2		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5		
Barium	ppm	ASTM D5185m	0	0		
Nolybdenum	ppm	ASTM D5185m	60	55		
Manganese	ppm	ASTM D5185m	0	3		
/lagnesium	ppm	ASTM D5185m	1010	987		
Calcium	ppm	ASTM D5185m	1070	1134		
Phosphorus	ppm	ASTM D5185m	1150	996		
Zinc	ppm	ASTM D5185m	1270	1283		
Sulfur	ppm	ASTM D5185m	2060	3677		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	25		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7		
Vitration	Abs/cm	*ASTM D7624	>20	8.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: 10642885

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0089571 : 05946926

Received Diagnosed

: 12 Sep 2023 Diagnostician : Wes Davis

: 11 Sep 2023

Test Package : MOB 1 (Additional Tests: TBN)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

GE MARSHALL EXCAVATION

1351 JOLIET RD VALPARAISO, IN US 46385

Contact: MARK STEFFEL mark.steffel@gemarshall.com

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F: